

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/000182

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7: C03B 27/044**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

**IPC7: C03B**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

**SE,DK,FI,NO classes as above**

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**EPO-INTERNAL, WPI DATA**

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5814789 A (BRIAN O. LEARY ET AL), 29 Sept 1998 (29.09.1998), column 2, line 39 - line 40; column 2, line 51 - line 54; column 3, line 24 - line 28, column 4, line 29 - line 36, figures 1,4 --	1-10
Y	US 6363752 B1 (GUIDO BECKER), 2 April 2002 (02.04.2002), column 3, line 8 - column 4, line 22, figure 1 --	1-10
Y	EP 0440113 A2 (WSP INGENIEURGESELLSCHAFT FÜR WÄRMETECHNIK, STRÖMUNGSTECHNIK...), 7 August 1991 (07.08.1991), column 1, line 13 - line 18; column 6, line 53 - column 7, line 31, figures 1,2 --	1-10

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

**6 Sept 2004**

Date of mailing of the international search report

**07-09-2004**

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0721922 A1 (TAMGLASS ENGINEERING OY), 17 July 1996 (17.07.1996), column 1, line 44 - column 2, line 9, figure 1, abstract  -- -----	1-10

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

31/07/2004

International application No.

PCT/FI 2004/000182

US	5814789	A	29/09/1998	NONE		
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US	6363752	B1	02/04/2002	AT	255071 T	15/12/2003
				BR	9806055 A	25/04/2000
				CZ	9900783 A	15/09/1999
				DE	19728787 C	03/09/1998
				DE	69820018 D	00/00/0000
				EP	0928284 A,B	14/07/1999
				ES	2210781 T	01/07/2004
				JP	2001500100 T	09/01/2001
				PL	186983 B	30/04/2004
				PL	331994 A	16/08/1999
				PT	928284 T	30/04/2004
				WO	9902458 A	21/01/1999
				EP	0935093 A	11/08/1999
				FR	2774744 A,B	13/08/1999
<hr/>						
EP	0440113	A2	07/08/1991	AT	128442 T	15/10/1995
				DE	4002546 A,C	01/08/1991
				DE	59106563 D	00/00/0000
				ES	2078359 T	16/12/1995
				US	5094678 A	10/03/1992
<hr/>						
EP	0721922	A1	17/07/1996	AT	166042 T	15/05/1998
				AU	700657 B	14/01/1999
				AU	4050595 A	18/07/1996
				CN	1088044 B	24/07/2002
				CN	1137494 A	11/12/1996
				DE	69502469 D,T	03/09/1998
				FI	1939 U	09/06/1995
				FI	96764 B,C	15/05/1996
				FI	950107 D,V	27/02/1995
				JP	8231237 A	10/09/1996
				US	6427488 B	06/08/2002
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